

**Express Mail Label No. EV 396081514 US  
PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Kim et al.

**Application No.:** Not Yet Known

**Filed:** Not Yet Known

**For:** ADAPTIVE ALGORITHM FOR A  
CHOLESKY APPROXIMATION

**Group:** Not Yet Known

**Examiner:** Not Yet Known

Our File: I-2-0276.1US

Date: February 5, 2004

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56,  
Applicants wish to bring to the Examiner's attention the material cited on the enclosed  
PTO-1449 form.

This application is a continuation of Application No. 10/153,477, filed on May 22,  
2002. Pursuant to 37 C.F.R. §1.98(d) copies of documents cited in the parent  
application are not enclosed, but copies will be provided upon request. These  
documents are identified on the PTO-1449 form by an asterisk (\*).

Pursuant to Pre-Official Gazette Notice signed July 11, 2003 waiving the  
requirements under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003,  
copies of the cited U.S. documents have not been included. Copies of all other cited

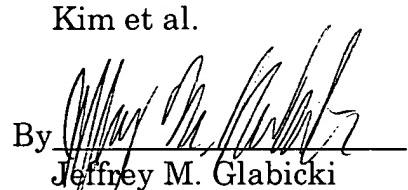
**Applicant:** Kim et al.  
**Application No.:** Not Yet Known

references are enclosed.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

Kim et al.

By   
Jeffrey M. Glabicki  
Registration No. 42,584  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

JMG/mam  
Enclosure

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)								ATTY. DOCKET NO. I-2-0276.1US		SERIAL NO. Not Yet Known					
								APPLICANT Kim et al.							
								FILING DATE Not Yet Known		GROUP Not Yet Known					
U.S. PATENT DOCUMENTS															
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	*AA	6	0	6	4	6	8	9	05/2000	Vollmer et al.					
FOREIGN PATENT DOCUMENTS															
		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
	*AB	1	0	6	5	7	9	9	03/2001	Europe				YES	NO
	*AC	EP	1	0	6	5	79	91	01/2001	Karimi et al.					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
	*AD	H.R. Karimi and N.W. Anderson, "A Novel and Efficient Solution to Block-Based Joint-Detection using Approximate Cholesky Factorization", <i>Personal, Indoor and Mobile Communications PIMRC' 98</i> , Conference Proceedings, Vol. 3, pp. 1340-1345, Sept. 1998, Boston, MA.													
	*AE	Boariu et al., "The Cholesky-Iterative Detector: A New Multiuser Detector for Synchronous CDMA Systems", March 2000, IEEE Communications Letters, Vol. 4, No. 3 page 77-79													
	*AF	Haardt et al., "Comparative Study of Joint-Detection Techniques for TD-CDMA based Mobile Radio Systems", August 2001, IEEE Journal on Selected Areas in Communications, Vol. 19, No. 8, page 1461-1475.													
EXAMINER									DATE CONSIDERED						

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.